

ITEM: 4B154 - WHEEL GRINDING 7 IN

K REQ: 0174427268

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: A3015

This MSDS should be attached or kept with the respective product with which it is associated.

***** SAFETY DATA SHEET - A3015 *****

Initiated Grainger Item: 4B154 - WHEEL GRINDING 7 IN

INITIAL SAFETY DATA SHEET

PRINTED: MAR 07, 2001

NO.: SICNZRESIN000 OUTBOUND

NORZON RESIN GRINDING WHEEL

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: SIC/NORZON RESIN GRINDING WHEEL

TRADE NAME: CRYSTALON/NORZON

MANUFACTURER (4):
N COMPANY
BOND ST.
WESTER, MA, 01615
795-5000

ISSUE DATE: 7/19/1999

PRINT FORMAT: NUSA

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Table with 3 columns: INGESTION DESCRIPTION, PERCENT, CAS#. Rows include ALUMINUM OXIDE, PHENOL FORMALDEHYDE RESIN, GLASS, SILICON CARBIDE, and ZINC OXIDE.

OTHER INGREDIENTS: NOT APPLICABLE

SECTION 3. HAZARDS IDENTIFICATION

ACUTE EXPOSURE EFFECTS: MAY BE SLIGHTLY IRRITATING TO EYES AND RESPIRATORY TRACT AT HIGH CONCENTRATIONS.

CHRONIC EXPOSURE EFFECTS: MAY AFFECT BREATHING CAPACITY.

PRODUCTS CONTAINING PHENOL/FORMALDEHYDE RESIN, DUST GENERATED FROM EXCESSIVE USE MAY CONTAIN TRACE AMOUNTS OF PHENOL AND FORMALDEHYDE WHICH EXCESSIVE EXPOSURE MAY CAUSE SKIN SENSITIZATION AND AIRWAY IRRITATION.

PRODUCTS CONTAINING INORGANIC FLUORIDES, EXCESSIVE EXPOSURE TO INORGANIC FLUORIDES HAVE BEEN SHOWN TO INCREASE BONE DENSITY.

CONTACT ACUTE EXPOSURE EFFECTS: DUST MAY IRRITATE EYES.

CONTACT ACUTE EXPOSURE EFFECTS: MAY EXPERIENCE SKIN IRRITATION FROM DUST.

INGESTION ACUTE EXPOSURE EFFECTS: UNKNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.

SECTION 4. FIRST AID MEASURES

INGESTION: RINSE WITH WATER TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. MEDICAL ATTENTION IMMEDIATELY.

CONTACT: WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.

CONTACT: RINSE WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND MEDICAL ASSISTANCE, IF NECESSARY.

INGESTION: CALL POISON CONTROL CENTER, HOSPITAL EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY.

SECTION 5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES: NOT APPLICABLE

HAZARDOUS PRODUCTS/COMBUSTION: NONE.

EXTINGUISHING SOURCE:

FLAMMABILITY 0
CORROSIVITY 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEANUP: FOLLOW NORMAL CLEAN UP PROCEDURES.

SECTION 7. HANDLING AND STORAGE

HANDLING: ALWAYS HANDLE AND STORE WHEELS IN A CAREFUL MANNER. ALWAYS VISUALLY INSPECT ALL WHEELS BEFORE MOUNTING. ALWAYS CHECK MACHINE SPEED AGAINST THE ESTABLISHED MAXIMUM SAFE OPERATING SPEED MARKED ON THE WHEEL.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION: RECOMMEND USING LOCAL EXHAUST VENTILATION WHEN GENERAL VENTILATION IS NOT KEEPING THE AIRBORNE CONCENTRATION BELOW THE TLV.

RESPIRATORY PROTECTION: RESPIRATORS ARE REQUIRED WHEN AIRBORNE CONTAMINANT LEVELS EXCEED THE TLV(S).

EYE PROTECTION: ALWAYS WEAR SAFETY GLASSES OR SOME TYPE OF EYE PROTECTION WHEN GRINDING.

OTHER PROTECTION: USE OF THIS PRODUCT MAY CREATE ELEVATED SOUND LEVELS. HEARING PROTECTION SHOULD BE WORN WHERE REQUIRED (SEE OSHA 29 CFR 1910.134 AND OTHER APPLICABLE REGULATIONS).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR: SOLID ARTICLE. ODORLESS.

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES: AVOID ACIDS OF ALL TYPES WITH A pH <4.0.

DECOMPOSITION: IN USE, DUST AND DECOMPOSING ODORS MAY BE GENERATED. IN MOST CASES, THE MATERIAL REMOVED FROM THE WORKPLACE WILL BE SIGNIFICANTLY GREATER THAN THE GRINDING WHEEL COMPONENTS.

FOR PRODUCTS CONTAINING PHENOL AND FORMALDEHYDE RESIN, THERMAL DECOMPOSITION MAY PRODUCE TRACE AMOUNTS OF PHENOL AND FORMALDEHYDE. FOR PRODUCTS CONTAINING INORGANIC FLUORIDES, THERMAL DECOMPOSITION MAY PRODUCE TRACE AMOUNTS OF FLUORIDES.

SECTION 11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: FOR WHEELS CONTAINING FIBERGLASS, FIBER DIAMETERS ARE GREATER THAN 10 (MICRO)M, THEREFORE CONSIDERED NON-RESPIRABLE.

FIBERGLASS: IARC-3

LD50/LC50: VALUES ARE NOT APPROPRIATE OR AVAILABLE.

SECTION 12. ECOLOGICAL INFORMATION

CHEMICAL FATE: RESIN BONDED MATERIALS DEMONSTRATE SIMILAR DEGRADATION RATES AS PHENOLIC PLASTICS. VITRIFIED PRODUCTS DO NOT APPRECIABLY DECAY.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: USE STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS. PRODUCTS WITH LISTED FLUORIDES MAY HAVE SLIGHTLY SOLUBLE FLUORIDE SWARF.

RECYCLING PROGRAM: THE COMPANY HAS DEVELOPED A GRINDING WHEEL RECYCLING PROGRAM. IF YOU ARE INTERESTED IN RETURNING YOUR STUBS, INFORMATION CAN BE OBTAINED BY DIALING CUSTOMER SERVICE.

SECTION 14. TRANSPORT INFORMATION

HAZARD CLASS: N/A

SECTION 15. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION:

Table with 5 columns: SUBSTANCE DESCRIPTION, UNITS, OSHA, ACGIH, MOL. Rows include ALUMINUM OXIDE, CURED PHENOLFORMALDEHYDE RESIN, FIBERGLASS, and SILICON CARBIDE.

M OXIDE MG/M3 5.0000 5.0000 5.0000

LIMIT DESCRIPTIONS:

65: NOT APPLICABLE

8 (B) - INVENTORY STATUS:
ELEMENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE
SUBSTANCE CONTROL ACT.

SUBSTANCE LIST:

SECTION 16. OTHER INFORMATION

ABBREVIATIONS:

LESS THAN
LESS THAN
APPROXIMATELY

DATA AVAILABLE

INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE TAKEN FROM SOURCES
TO BE ACCURATE AS OF THE DATE HEREOF; HOWEVER, THE COMPANY MAKES
NO WARRANTY WITH RESPECT TO THE ACCURACY OF THE INFORMATION OR THE
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